

Vh 2

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? ds

Set	Items	Description
S1	23061	(DIGIT? OR ELECTRONIC?) (3N) (WATERMARK? OR WATER()MARK? OR - MARKER? OR MARKING? OR SYMBOL? OR STENCIL? OR PATTERN? OR FIN- GERPRINT? OR IDENTIFIER?)
S2	991	STEGANOGRAPH?
S3	60161	EMAIL OR E()MAIL
S4	56292	(ELECTRONIC?) (3N) (MAIL? OR MESSAGE? OR CORRESPOND? OR MEMOS OR MEMORANDUM OR DOCUMENT?)
S5	1570696	(CONTROL? OR MANAG? OR DIRECT? OR PREVENT? OR HALT? OR STO- P? OR BLOCK?) AND (DISSEMINAT? OR DISTRIBUT? OR SEND? OR TRAN- SMI? OR ROUTING)
S6	324	CONFIDENTIAL AND (S3 OR S4)
S7	39	(CHECK? OR DETECT? OR DETERMIN? OR DISCERN?) AND S6
S8	168	READING AND S1
S9	20007	AU=(JONES, K? OR JONES J?)
S10	63	DIGIMARC
S11	2	(S9 OR S10) AND S3
S12	2	RD S11 (unique items)
S13	41	(S1 OR S2) AND (S3 OR S4) AND S5
S14	10	S13 AND PY=2001:2003
S15	31	S13 NOT S14
S16	25	RD S15 (unique items)
S17	21	S3 AND (WATERMARK? OR WATER()MARK?)
S18	2	S17 AND S5
S19	1	S18 NOT (S13 OR S14)
S20	0	S7 AND S8

12/3,K/1 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2003 INIST/CNRS. All rts. reserv.

02885528 PASCAL No.: 80-0185211  
**THE ADVANTAGES AND DISADVANTAGES OF CONTINUOUS AND INTERMITTENT FIRING IN  
WHITEWARE PRODUCTION**  
**(AVANTAGES ET INCONVENIENTS DE LA CUISSON CONTINUE ET INTERMITTENTE EN  
FABRICATION DE CERAMIQUE FINE)**

JONES J A  
DRAYTON KILN CO. LTD., STOKES-ON-TRENT, UNITED KINGDOM  
Journal: INTERCERAM, 1979, 28 (4) 403-404  
Language: ENGLISH Summary Language: GERMAN; FRENCH; SPANISH

JONES J A  
... D'OPINION. TENDANCE ACTUELLE VERS LA CUISSON EN FOUR CONTINU  
(L'EXEMPLE DE LA CUISSON **EMAIL** DE LA FAIENCE ET DE LA CUISSON DU  
SANITAIRE MONTRE UNE CONSOMMATION MOINDRE D'ENERGIE...

12/3,K/2 (Item 2 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2003 INIST/CNRS. All rts. reserv.

02068420 PASCAL No.: 78-0423165  
**CHARGED PARTICLE ANALYSIS OF FLUORINE DISTRIBUTIONS IN THE SURFACE OF  
HUMAN TOOTH ENAMEL.**

JONES J W ; ANNEGARN H J; SELLSCHOP J P F  
NUCL. PHYS. RES. UNIT, UNIV. WITWATERSRAND, JOHANNESBURG 2001, SOUTH  
AFRICA  
Journal: ARCH. ORAL BIOL., 1978, 23 (1) 31-37  
Language: ENGLISH

JONES J W ; ANNEGARN H J; SELLSCHOP J P F

French Descriptors: DENT; METABOLISME; **EMAIL** DENTAIRE; FLUOR; ELEMENT  
MINERAL; HOMME; METHODE ETUDE

16/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6404823 INSPEC Abstract Number: C1999-12-6130S-049

**Title: Agent-based copyright protection architecture for online electronic publishing**

Author(s): Yi, X.; Kitazawa, S.; Okamoto, E.; Wang, X.F.; Lam, K.Y.; Tu, S.

Author Affiliation: JAIST, Ishikawa, Japan

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3657 p.484-93

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1999 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1999)3657L:484:ABCP;1-7

Material Identity Number: C574-1999-158

U.S. Copyright Clearance Center Code: 0277-786X/99/\$10.00

Conference Title: Security and Watermarking of Multimedia Contents

Conference Sponsor: IS&T; SPIE

Conference Date: 25-27 Jan. 1999 Conference Location: San Jose, CA, USA

Language: English

Subfile: C

Copyright 1999, IEE

Abstract: Electronic publishing faces one major technical and economic challenge, i.e. how to **prevent** individuals from easily copying and illegally **distributing electronic documents**. Conventional cryptographic systems permit only valid key-holders to have access to encrypted data, but...

...with unauthorized reproduction of information. In this paper, we explore the use of intelligent agents, **digital watermarking** and cryptographic techniques to discourage the **distribution** of illegal electronic copies, and we propose an agent-based strategy to protect the copyright...

... impossible to develop an absolutely secure copyright protection architecture for online electronic publishing which can **prevent** a malicious customer from spending a great deal of effort on analyzing the software and finally obtaining the plaintext of the encrypted **electronic document**. Our work aims at making the cost of analyzing the agent and removing the watermark to be much greater than the value of the **electronic document** itself.

...Identifiers: illegal **distribution** ; ...  
... **electronic documents** ; ...

... **digital watermarking** ;

16/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5105061 INSPEC Abstract Number: B9512-6210L-132, C9512-6130D-029

**Title: Embedding identifier to hardcopy of electronic documents for protecting copyright**

Author(s): Nakamura, Y.; Matsui, K.

Author Affiliation: Dept. of Comput. Sci., The National Defense Acad.,

Japan

Journal: Transactions of the Information Processing Society of Japan  
vol.36, no.8 p.2057-62

Publication Date: Aug. 1995 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

Language: Japanese

Subfile: B C

Copyright 1995, IEE

**Title: Embedding identifier to hardcopy of electronic documents for protecting copyright**

**Abstract:** The paper presents an identification scheme for protecting the copyright of an **electronic document** which is **distributed** over computer networks and is printed. This scheme is to embed identification codewords into English text of an **electronic document**, i.e. a method of altering the document by horizontally shifting the location of words... ..of binary digits and if necessary, are randomized by secret key. Spacing text words is **controlled** by the bit sequence, but it does not appear on the document to have the...

... readers because of no effect on the document format. It is shown that this scheme **prevents** deciphering attacks on the document and deterioration of the identifier by many repetitions of hardcopy.

Identifiers: **electronic document hardcopy...**

16/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03870756 INSPEC Abstract Number: B91034074, C91028813

**Title: Interactive work with videophone documents**

Author(s): Runde, D.; Hopf, K.; Rose, B.; Kolrep, H.; Prussog, A.

Author Affiliation: Heinrich Hertz Inst. fur Nachrichtentech. Berlin GmbH, Germany

Journal: NTZ vol.44, no.1 p.22-6

Publication Date: Jan. 1991 Country of Publication: West Germany

CODEN: NNTZDZ ISSN: 0027-707X

Language: German

Subfile: B C

**Abstract:** **Transmission** of document images is very important in videophone operations. The Heinrich-Hertz Institut tested 3 different document display devices designed to enable all the videoconference participants to see relevant **documents**: an **electronic** display with **marking** facility, a document camera which can be **controlled** by the partner and an electronic zoom which can be operated by all participants.

Identifiers: document image **transmission** ;

16/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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02910187 INSPEC Abstract Number: D87001836

**Title: BT helps Mercury to say it with flowers**

Journal: Business Equipment Digest vol.27, no.5 p.39

Publication Date: May 1987 Country of Publication: UK

CODEN: BEQDAS ISSN: 0007-6708

Language: English

Subfile: D

Abstract: Interflora, the world's leading flower relay service has given Mercury, their winged messenger **symbol**, the power of **electronic mail** as part of a Pounds 2 m investment. Florist shop members now use the British Telecom Messenger terminal to **send** in their orders. British Telecom created the system specially for Interflora and now over 1000...

... across the UK. Another 1500 are on order putting Interflora's total membership online for **direct** communication between other member's shops and Headquarters. Each Messenger terminal includes a keyboard, visual...

Descriptors: **electronic mail** ;

...Identifiers: **electronic mail** ;

16/3,K/5 (Item 5 from file: 2)  
DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02557855 INSPEC Abstract Number: C86004753

Title: **Advantages of integrated office systems. Observations from a pilot project**

Author(s): Sorg, S.; Zangl, H.

Journal: Office Management vol.33, no.5 p.474, 476, 478-9

Publication Date: May 1985 Country of Publication: West Germany

CODEN: OFMADG ISSN: 0343-2319

Language: German

Subfile: C

...Abstract: are few observations on the application and effects of integrated systems, since the challenge from **management** has never been taken up. Seldom is modern office technology found in a **manager**'s office. The main features of the project covered here are: text editing; **electronic mail**; **electronic archives**; line and **symbol graphics**; appointments calendar; computing; and speech **transmissions**. The advantages in planning, structuring, coordinating, communications, preparation for meetings, and data production for **managers** are stressed.

...Identifiers: **electronic mail** ; ...

...speech **transmissions**

16/3,K/6 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS

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2173991 NTIS Accession Number: N20000057398/XAB

**Modeling and Performance Simulation of the Mass Storage Network Environment**

Kim, C. M. ; Sang, J.

National Aeronautics and Space Administration, Cleveland, OH. NASA John H. Glenn Research Center at Lewis Field.

Corp. Source Codes: 115801001; ZT002737

Report No.: NAS 1.15:210022; NASA/TM-2000-210022,E-12219

Apr 2000 18p

Languages: English

Journal Announcement: USGRDR0022; STAR3821

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Springfield, VA, 22161, USA.  
NTIS Prices: PC A03/MF A01

... performance of the mass storage network environment. Network traffic is generated to mimic the realistic **pattern** of file transfer, **electronic mail**, and web browsing. The behavior and performance of the mass storage network and a typical...

...Descriptors: Performance prediction; \*Computerized simulation; \*Network synthesis; \*Communication theory; \*Data storage; Local area networks; Information transfer; **Electronic mail**; Data **transmission**; World wide web; Client server systems

16/3,K/7 (Item 2 from file: 6)  
DIALOG(R)File 6:NTIS  
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1856992 NTIS Accession Number: DE94018330

**DOE DISS/ET pilot system**

Strait, R. S. ; Wagner, E. E.

Lawrence Livermore National Lab., CA.

Corp. Source Codes: 068147000; 9513035

Sponsor: Department of Energy, Washington, DC.

Report No.: UCRL-JC-118253; CONF-940748-89

Jul 94 5p

Languages: English Document Type: Conference proceeding

Journal Announcement: GRAI9508; NSA1900

Institute of Nuclear Materials Management annual meeting, Naples, FL (United States), 17-20 Jul 1994. Sponsored by Department of Energy, Washington, DC.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A01/MF A01

... transfer between DOE local security clearance offices, DOE Operations Offices, and the Office of Personnel **Management**. The system will use electronic forms to collect clearance applicant data. The forms data will be combined with **electronic fingerprint** images and packaged in a secure encrypted **electronic mail** envelope for **transmission** across the Internet. Information provided by the applicant will be authenticated using digital signatures. All...

16/3,K/8 (Item 3 from file: 6)  
DIALOG(R)File 6:NTIS  
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1533458 NTIS Accession Number: AD-A225 414/2

**Selection and Effects of Channels in Distributed Communication and Decision-Making Tasks**

(Interim rept. Aug 87-Jul 88)

Reder, S. ; Schwab, R. G.

Northwest Regional Educational Lab., Portland, OR.

Corp. Source Codes: 057406000; 392779

Sponsor: Army Research Inst. for the Behavioral and Social Sciences, Alexandria, VA.

Report No.: ARI-RN-90-43

Jul 90 27p

Languages: English

Journal Announcement: GRAI9024

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

**Selection and Effects of Channels in Distributed Communication and Decision-Making Tasks**

... the definition and analysis of selection of channels (e.g., face-to-face meetings, phone, **electronic mail**, etc.) and the effects of those choices on the ensuing communication and task-oriented activities...

Descriptors: Channels; \*Communication and radio systems; **Distribution**; **Electronic mail**; **Interpersonal relations**; **Patterns**; Selection

16/3,K/9 (Item 4 from file: 6)

DIALOG(R)File 6:NTIS

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1464420 NTIS Accession Number: PB89-227482

**NEC (Nippon Electric Company) Technical Journal, Vol. 42, No. 4, March 1989. Special Issue: On Facsimile 60 Years Anniversary**

Nippon Electric Co. Ltd., Tokyo.

Corp. Source Codes: 020576000

cl989 178p

Languages: Japanese

Journal Announcement: GRAI8923

Text in Japanese with English abstracts. See also PB89-227490 through PB89-227516 and Volume 41, Number 14, PB89-150510. Color illustrations reproduced in black and white.

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC E08/MF A01

... Anniversary includes articles on Facsimile Transceivers as well as: Color Facsimile; Color Image Data Compression **Transmitter**; Digital Photo-Facsimile I/O Equipment; High Speed CODER/DECODER Equipment for CTS; Facsimile **Control** Unit FCU-21/51; Facsimile Broadcast Equipment GP-450; Group 4 Terminal for Facsimile Store...

... Mail System -Kawasaki Heavy Industries, Ltd.-; Overseas Newspaper Facsimile System; International Packet Facsimile System; and **Digital Fingerprint** Photo Facsimile System.

Descriptors: Facsimile communication; \* **Transmitter** receivers; **Control** equipment; Photographs; Photographic images

Identifiers: Foreign technology; \*Communication networks; Data **transmission** systems; Data compression; Image processing; **Electronic mail**; **Fingerprints**; NTISTFNEC

16/3,K/10 (Item 5 from file: 6)

DIALOG(R)File 6:NTIS

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1129874 NTIS Accession Number: AD-A143 772/2

**Dual Digital to Video Converter and Color Video Inserter for Avionics**

## Symbology and Messages

(Technical rept)

Karcher, E. A. ; Organic, V. J.  
Army Aviation Systems Command, St Louis, MO.

Corp. Source Codes: 027529000; 404318

Report No.: USAAVSCOM-TR-84-E-3

Jul 84 15p

Languages: English

Journal Announcement: GRAI8423

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A02/MF A01

Descriptors: Monitors; \*Digital systems; \*Display systems; \*Video converters; **Symbols** ; Screens(Displays); Synchronization( **Electronics** ); Video signals; **Message** processing; Aircraft equipment; Power supplies; Avionics; Circuits; Interfaces; Work; **Distribution** ; Digital computers

...Identifiers: pairs; Position counters; Color insetters; Display counters; Line receivers; Display memories; Ping pong memories; Read **controllers** ; Color video; Video displays; Read clocks; Scan converters; Dual converters; NTISDODXA

16/3,K/11 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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06303566 E.I. No: EIP03097373180

Title: **Proceedings of the new security paradigm workshop**

Author: Anon (Ed.)

Conference Title: Proceedings of the New Security Paradigm Workshop

Conference Location: Ballycotton, Ireland Conference Date: 20000918-20000922

E.I. Conference No.: 60500

Source: Proceedings New Security Paradigm Workshop 2000.

Publication Year: 2000

ISBN: 1581132603

Language: English

...Abstract: Paradigm Workshop. The topics discussed include: attack net penetration testing; a new paradigm hidden in **steganography** ; disarming offense to facilitate defense; quality of security service; incentives to help **stop** floods; conduit cascades and secure synchronization; new paradigms in incident **management** ; and dynamic analysis of security protocols. (Edited abstract)

Descriptors: Security of data; Information science; Computer programming languages; Network protocols; Cryptography; Semantics; Software engineering ; **Electronic mail** ; Real time systems; Quality of service; **Distributed** computer systems; Finite automata; Database systems

Identifiers: Penetration testing; Information systems; Intrusion detection; **Steganography** ; Information assurance and security (IAS); Network security; Database texts; EiRev

16/3,K/12 (Item 2 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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06138620 E.I. No: EIP02397099091

**Title: A robust embedded data from wavelet coefficients**

Author: Chae, J.J.; Manjunath, B.S.

Corporate Source: Dept. of Electrical and Comp. Eng. University of California, Santa Barbara, CA 93106, United States

Conference Title: Storage and Retrieval for Image and Video Databases VI

Conference Location: San Jose, CA, United States Conference Date: 19980128-19980130

E.I. Conference No.: 59672

Source: Proceedings of SPIE - The International Society for Optical Engineering v 3312 1998. p 308-317

Publication Year: 1998

CODEN: PSISDG ISSN: 0277-786X

Language: English

...Abstract: much as 25% of the host image data and hence could be used both in **digital watermarking** as well as image/data hiding. In **digital watermarking** the primary concern is the recovery or checking for signature even when the embedded image...

...there should not be any visible changes to the host data that is used to **transmit** a hidden image. In addition, in both data hiding and watermarking, it is desirable that...

...impossible for unauthorized persons to recover the embedded signatures. The proposed scheme provides a simple **control** parameter that can be tailored to either hiding or watermarking purposes, and is robust to...

Descriptors: **Digital watermarking; Electronic document** identification systems; Wavelet transforms; Image compression; Standards; Image quality; Copyrights; Security of data

16/3,K/13 (Item 3 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05665258 E.I. No: EIP00105351691

**Title: What's in a name, what's in a number: Some characteristics of identifiers on electronic networks**

Author: Rood, Hendrik

Corporate Source: Delft Univ of Technology, Delft, Neth

Source: Telecommunications Policy v 24 n 6 Jul 2000. p 533-552

Publication Year: 2000

CODEN: TEPODJ ISSN: 0308-5961

Language: English

**Title: What's in a name, what's in a number: Some characteristics of identifiers on electronic networks**

**Abstract: Identifiers on electronic networks** such as telephone numbers, domain names, IP-addresses and e-mail addresses are not only necessary components of information and communication technology (ICT) applications, but they have also become a new kind of information good that can be traded separately. **Identifiers on electronic networks** cannot be treated with standard information goods theory; they have very different economic and...

...as much as possible, have resulted in the appearance of centralized co-ordination or monopolistic **control** of identifier systems and as a consequence a series of governance questions. A survey on...

...identifiers. The survey shows a large variety of institutional arrangements and market structures for assigning **identifiers** on **electronic** networks. Data analysis of Domain Name registration statistics show substantial effects of policy reform on...

Descriptors: Information technology; Telephone numbering systems; **Electronic mail** ; Network protocols; Surveys; Public policy

Identifiers: **Transmission control** protocol (TCP); Domain name systems (DNS); Internet protocol (IP); Telecommunications policy

16/3,K/14 (Item 4 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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05613394 E.I. No: EIP00085272110

**Title: 1.43 mu m fiber laser for medical applications**

Author: Kurkov, A.S.; Dianov, E.M.; Paramonov, V.M.; Medvedkov, O.I.; Guryanov, A.N.; Laptev, A.A.; Umnikov, A.; Vasiliev, S.A.; Vechkanov, N.N.; Pershina, E.V.

Corporate Source: Russian Acad of Sciences, Moscow, Russia

Source: Proceedings of SPIE - The International Society for Optical Engineering v 4083 2000. p 127-130

Publication Year: 2000

CODEN: PSISDG ISSN: 0277-786X

Language: English

**Title: 1.43 mu m fiber laser for medical applications**

...Abstract: laser is based on Raman conversion of the Yb-fiber laser emission in a phosphorous **doped** fiber. The light conversion is based on both phosphorous and silica Raman shifts in the

Descriptors: **Fiber lasers** ; Tissue; Light sources; Light emission; Pumping (laser); Diffraction gratings; Ytterbium; Optical fibers; Fluorescence; Phosphorus

Identifiers: **Raman conversion** ; Bragg **grating** ; Optical loss; Ytterbium doped fiber

16/3,K/15 (Item 5 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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05573323 E.I. No: EIP00065189094

**Title: Counterfeit deterrence and digital imaging technology**

Author: Church, Sara E.; Fuller, Reese; Jaffe, Annette; Pagano, Lorelei W.

Corporate Source: Bur of Engraving & Printing, Washington, DC, USA

Conference Title: Optical Security and Counterfeit Deterrence Techniques III

Conference Location: San Jose, CA, USA Conference Date: 19000127-19000128

E.I. Conference No.: 56826

Source: Proceedings of SPIE - The International Society for Optical Engineering v 3973 2000. Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. p 37-46

Publication Year: 2000

CODEN: PSISDG ISSN: 0277-786X

Language: English

...Abstract: As the rate of counterfeiting with this type equipment has grown, the need for specific **prevention** methods has become apparent to

the banknote authorities. As a result, the Treasury Department and...  
...public education efforts. Other aspects include strong support and  
cooperation with existing international efforts to **prevent**  
counterfeiting, review and amendment of existing anti-counterfeiting  
legislation and investigation of currency design techniques...

...and others are to lead to establishment of a formal, permanent policy to  
address and **prevent** the use of emerging technologies to counterfeit  
currency. (Author abstract) 3 Refs.

Descriptors: Imaging techniques; Information technology; Personal  
computers; Societies and institutions; **Electronic document**  
identification systems; **Pattern** recognition; Computer software; Printing;  
Information **dissemination** ; Laws and legislation

16/3,K/16 (Item 6 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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05513297 E.I. No: EIP00045105868

**Title: DCT-domain watermarking techniques for still images: detector  
performance analysis and a new structure**

Author: Hernandez, Juan R.; Amado, Martin; Perez-Gonzalez, Fernando  
Corporate Source: Universidad de Vigo, Vigo, Spain  
Source: IEEE Transactions on Image Processing v 9 n 1 Jan 2000. p 55-68  
Publication Year: 2000  
CODEN: IIPRE4 ISSN: 1057-7149  
Language: English

...Abstract: technique for copyright protection of still digital images  
is analyzed. The DCT is applied in **blocks** of 8 multiplied by 8 pixels as  
in the JPEG algorithm. The watermark can encode...

...a given image contains a watermark generated with a certain key. We  
apply generalized Gaussian **distributions** to statistically model the DCT  
coefficients of the original image and show how the resulting...

Descriptors: Image processing; Cosine transforms; **Electronic document**  
identification systems; Copyrights; Algorithms; Image compression; Spurious  
signal noise; Probability **distributions** ; Mathematical models; Image  
coding

Identifiers: Discrete cosine transform domain; **Watermarking** technique;  
Still **digital** images; Joint picture experts group

16/3,K/17 (Item 7 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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05166253 E.I. No: EIP98114484051

**Title: Electronic signatures**

Author: Julia-Barcelo, Rosa; Vinje, Thomas C.  
Source: Computer Law and Security Reports v 14 n 5 Sep-Oct 1998. p  
303-311  
Publication Year: 1998  
CODEN: CLSRE8 ISSN: 0267-3649  
Language: English

...Abstract: faced with the problem of authentication of the  
communicating parties, i.e. knowing that the **sender** of an **electronic**  
**message** is actually the person he purports to be. In addition,

communicating parties also need to ensure that the **electronic message** received is the one that actually was sent, i.e. the integrity of the message...

...and thereby in electronic signatures. In May 1998, the Commission presented a Proposal for a **Directive** aimed at establishing a legal framework for electronic signatures and certification service providers in Europe...

...electronic signatures generally rather than only digital signatures - in an effort to ensure that the **Directive** will not be made obsolete as technology progresses. Despite lacking clarity in certain important respects...

Descriptors: Security of data; **Electronic commerce**; Internet; Cryptography; **Pattern** recognition

16/3,K/18 (Item 8 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04861906 E.I. No: EIP97113907994

**Title: Secure distribution of watermarked images for a digital library of ancient papers**

Author: Rauber, Ch.; Ruanaidh, J.O.; Pun, Th.

Corporate Source: Univ of Geneva, Geneve, Switz

Conference Title: Proceedings of the 1997 2nd ACM International Conference on Digital Libraries

Conference Location: Philadelphia, PA, USA Conference Date: 19970723-19970726

E.I. Conference No.: 47163

Source: Proceedings of the ACM International Conference on Digital Libraries 1997. ACM, New York, NY, USA. p 123-130

Publication Year: 1997

CODEN: 002373

Language: English

**Title: Secure distribution of watermarked images for a digital library of ancient papers**

Abstract: The electronic publishing, storage and **distribution** of documents is growing increasingly important and will have profound implications for our economy, culture and society. The multimedia digitalisation of libraries and the **distribution** of the contents of museums is revolutionising these organisations and will make these resources available...

...much wider audience than was previously possible. The main goal of our MEDIA project (Mobile **Electronic Documents** with Interacting Agents) is the development of a system for the archival, retrieval, and **distribution** of **electronic documents**. For this purpose, a mobile agent platform is used to securely **distribute** these documents. Information is accessed by a search mechanism that allows the retrieval of text and images according to their content. An important feature of the system is a **digital watermarking** tool which embeds hidden signatures in images. This provides copyright protection and helps to ensure that the image will not be copied and sold and without proper authorisation. The **management** of the database of documents and images is accomplished by an extensible object relational database **management** system. In addition, documents and data can be accessed through the World Wide Web network...

Identifiers: Ancient papers; **Digital watermarking** tool

16/3,K/19 (Item 9 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04317339 E.I. No: EIP96012978898

**Title:** Oregon online automated document management of an infobase

**Author:** Perez, Ernest

**Corporate Source:** Oregon State Library

**Source:** Database v 18 n 6 Dec 1995. 7pp

**Publication Year:** 1995

**CODEN:** DTBSDQ **ISSN:** 0162-4105

**Language:** English

**Title:** Oregon online automated document management of an infobase

...Abstract: information server for the State of Oregon is intended to provide efficient public access and **distribution** of government information to citizens, via both the Internet and dial-up access. This article...

**Descriptors:** Database systems; **Management** information systems; Computer networks; Online systems; User interfaces; Codes ( **symbols** ); **Electronic mail** ; Information **management** ; Information technology

**Identifiers:** Automated document **management** ; Infobase; Gopher; World wide web

16/3,K/20 (Item 10 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04276539 E.I. No: EIP95102906805

**Title:** Electronic marking and identification techniques to discourage document copying

**Author:** Brassil, Jack T.; Low, Steven; Maxemchuk, Nicholas F.; O'Gorman, Lawrence

**Corporate Source:** AT&T Bell Lab, Murray Hill, NJ, USA

**Source:** IEEE Journal on Selected Areas in Communications v 13 n 8 Oct 1995. p 1495-1504

**Publication Year:** 1995

**CODEN:** ISACEM **ISSN:** 0733-8716

**Language:** English

**Title:** Electronic marking and identification techniques to discourage document copying

Abstract: Modern computer networks make it possible to **distribute** documents quickly and economically by electronic means rather than by conventional paper means. However, the widespread adoption of electronic **distribution** of copyrighted material is currently impeded by the ease of unauthorized copying and **dissemination** . In this paper we propose techniques that discourage unauthorized **distribution** by embedding each document with a unique codeword. Our encoding techniques are indiscernible by readers...

**Descriptors:** Electronic publishing; Computer networks; Security of data; Identification ( **control** systems); Encoding (symbols); Photocopying; Database systems; Cryptography; Data communication systems; Robustness ( **control** systems)

**Identifiers:** **Electronic marking** ; Document copying; Copyrighted materials; Document embedding; Code word

16/3,K/21 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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00937579 I95116316362

**Titel japanisch**

(Das Einfuegen von Identifikationen in die Hardcopy elektronischer  
Dokumente, um das Copyright zu gewaehrleisten)  
(Embedding identifier to hardcopy of electronic documents for  
protecting copyright)  
Nakamura, Y; Matsui, K  
Dept. of Comput. Sci., The National Defense Acad., Japan  
Transactions of the Information Processing Society of Japan, v36, n8,  
pp2057-2062, 1995  
Document type: journal article Language: Japanese  
Record type: Abstract  
ISSN: 0387-5806

(Embedding identifier to hardcopy of electronic documents for  
protecting copyright)

**ABSTRACT:**

The paper presents an identification scheme for protecting the copyright of  
an **electronic document** which is **distributed** over computer networks  
and is printed. This scheme is to embed identification codewords into  
English text of an **electronic document**, i.e. a method of altering the  
document by horizontally shifting the location of words...

...of binary digits and if necessary, are randomized by secret key. Spacing  
text words is **controlled** by the bit sequence, but it does not appear on  
the document to have the...

...readers because of no effect on the document format. It is shown that  
this scheme **prevents** deciphering attacks on the document and  
deterioration of the identifier by many repetitions of hardcopy.  
IDENTIFIERS: COPY PROTECTION; **ELECTRONIC DOCUMENT** **HARDCOPY**; COPYRIGHT  
PROTECTION; IDENTIFICATION SCHEME; IDENTIFICATION CODEWORDS; ENGLISH TEXT;  
BINARY DIGITS; SECRET KEY; TEXT WORD...

16/3,K/22 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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1732238 H.W. WILSON RECORD NUMBER: BAST94060679  
Electronic document distribution  
Maxemchuk, Nicholas F;  
AT&T Technical Journal v. 73 (Sept./Oct. '94) p. 73-80  
DOCUMENT TYPE: Feature Article ISSN: 8756-2324

Electronic document distribution

**ABSTRACT:** Computers, printers, and high-rate data- **transmission**  
facilities are becoming less expensive and more generally available. It is  
now possible to **distribute** customized newspapers and magazines  
electronically, instead of using a fleet of trucks and a network of vendors  
to **disseminate** a common paper version. A major obstacle to the use of  
electronic **distribution** is the ease of copying and redistributing  
**electronic documents**. This capability can affect a publisher's  
subscription revenues. The AT&T **Distributed** Systems Research Department

is making it more difficult to redistribute **electronic documents** by: distinctive **marking**, so documents can be traced back to the original recipient; using cryptographic techniques, so the form of the document, available to a recipient, costs more to redistribute than that **disseminated** by the publisher; and requiring someone who redistributes a document to divulge personal, identifying information with the document. These techniques are being applied in experiments to **distribute** an issue of a technical journal electronically, and to mark and register paper copies of...

DESCRIPTORS: ...Access **control** ;

16/3,K/23 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
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14669042 PASCAL No.: 00-0342463

**Watermarking sequence using parities of error control coding for image authentication and correction**

LEE J; WON C S

Dongguk Univ, Seoul, Korea, Republic of

Journal: IEEE Transactions on Consumer Electronics, 2000, 46 (2) 313-317

Language: English

**Watermarking sequence using parities of error control coding for image authentication and correction**

... of illegal modifications. To make this task possible, the parities generated by the conventional error **control** coding (ECC) technique is used for the watermarking sequence. Then, the receiver can correct any...

... The scrambling key can be also used as a key for the authentication of the **sender**.

English Descriptors: **Digital watermarking** ; Error **control** coding; Image authentication; Scrambling key; Theory; Image coding; Error correction; Error detection; Security of data; Image communication systems; Signal receivers; Decoding; Spurious signal noise; **Electronic document** identification systems

French Descriptors: Theorie; Codage image; Correction erreur; Detection erreur; Securite donnee; Systeme **transmission** image; Recepteur signal; Decodage; Bruit parasite signal; Systeme identification document electronique

16/3,K/24 (Item 2 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2003 INIST/CNRS. All rts. reserv.

13365989 PASCAL No.: 98-0094539

**Managing access to digital information : Some basic terminology issues**  
LYONS P A

Law Offices of Patrice Lyons, Washington, D.C, United States

UNESCO International Congress on Ethical, Legal and Social Aspects of Digital Information (Monaco MCO) 1997-03-10

Journal: Bulletin of the American Society for Information Science, 1997, 24 (2) 21-24

Language: English

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**Managing access to digital information : Some basic terminology issues**

English Descriptors: **Digital** information; **Electronic** document ;  
**Identifier** ; Information access; Terminology; Copyright; Information  
**dissemination**

Spanish Descriptors: Informacion numerica; **Documento** **electronico** ;  
Identificador; Acceso informacion; Terminologia; Derecho autor; Difusion  
informacion

16/3,K/25 (Item 3 from file: 144)  
DIALOG(R)File 144:Pascal  
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12534823 PASCAL No.: 96-0211719  
**Logical observation identifier names and codes (LOINC) database : a  
public use set of codes and names for electronic reporting of clinical  
laboratory test results**  
FORREY A W; MCDONALD C J; DEMOOR G; HUFF S M; LEAVELLE D; LELAND D; FIERST;  
CHARLES L; GRIFFIN B; STALLING F; TULLIS A; HUTCHINS K; BAENZIGER J  
University of Washington, Seattle, WA, United States  
Journal: Clinical chemistry, 1996, 42 (1) 81-90  
Language: English

Many laboratories use **electronic** **message** standards to **transmit**  
results to their clients. If all laboratories used the same "universal" set  
of test **identifiers** , **electronic** **transmission** of results would be  
greatly simplified. The Logical Observation Identifier Names and Codes  
(LOINC) database...

English Descriptors: Clinical biology; Laboratory investigations;  
Measurement result; Electronic data interchange; Database **management**  
system; Hospital

?



19/3,K/1 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
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00327217 93PW10-023

**BeyondMail 2.0 adds key work-group computing features**

Ross, Randy

PC World , October 1, 1993 , v11 n10 p124, 1 Page(s)

ISSN: 0737-8939

Company Name: Beyond

Product Name: BeyondMail

... very favorable review of BeyondMail 2.0 for MHS (\$995 for ten-user pack), an **E - mail** program from Beyond Inc. (800). The program now includes work-flow **management** features. A Serial **Routing** Slip lets a **manager** select a group of recipients and route them a document for reading or comment in a sequential order and the **manager** can track the time a document was received by a user. The package includes **Watermark** Software's Explorer Edition, a document imaging application that can embed images from a scanner or fax into **E - mail** messages for recipients to examine and annotate. Used with the Serial **Routing** Slip, this automates **routing** images of documents that originated as paper forms. This release can retrieve and update data stored in many database **management** programs and supports forms created in other applications. Includes one screen display. (djd)  
?